Goddard Space Flight Center
Wallops Flight Facility

Aircraft Maintenance & Operations Contract (AMOC) – Industry Day

Presented By:
Dennis Rieke, Mike Cropper, Sylvia Bell, and Alisha Willis

11/22/2013

•Welcome	Dennis Rieke, Aircraft Office
•Industry Day Logistics & Acquisition Information	Alisha Willis, Procurement Office
•WFF and Aircraft Operations Overview	Dennis Rieke, Aircraft Office
•Bus Tour D-1 & N-159	Mike Cropper/Sylvia Bell, Aircraft Office

LOGISTICS

- Emergency – 911 (757-824-1333 from a cell phone)
- Emergency exits
- Rest Rooms
- Industry Day/Site Visit Tentative Schedule
- Hangar Tours – D-1 Hangar and N – 159 Hangar

GUIDELINES FOR COMMUNICATION

- Offerors will submit their questions in writing to the Contracting Officer at the end of the conference on the index cards provided.

- Questions received from this event will be combined with questions formerly submitted regarding the Draft RFP and responses shall be posted to NASA Acquisition Internet Service (NAIS) and FedBizOpps websites collectively.

- Any changes to the Draft RFP will be incorporated into the final version of the RFP.

INFORMATION EXCHANGE

•After release of the final RFP, communication will be restricted to exchanges with the Contracting Officer and/or Contract Specialist.

•Presentation materials, written questions and answers, and solicitation revisions will be provided to all prospective Offerors via formal written amendment to the RFP on NAIS and FedBizOpps.

•Prior to submission of proposals and commencement of discussions, Offeror's questions about the RFP should be asked in a manner that does not disclose the Offeror’s proprietary or confidential information as all questions and answers will be published by the Government on the NAIS and Fed Biz Ops, if an amendment is required.

DISCLAIMER

- These slides are not to be interpreted as a comprehensive description of the requirements in the Draft Request for Proposal (DRFP).

- To the extent there are any inconsistencies between this briefing and the final RFP, the final RFP shall govern.

- Any response to general questions verbally during the conference shall not be interpreted as an official answer.

CONTRACT INFORMATION

•Cost Plus Fixed Fee (CPFF) Indefinite Delivery/Indefinite Quantity (IDIQ) requirement issued via task orders.

•Single Award

•Base period of performance/effective ordering period of 5 years.

•Small Business Set-aside

•NAICS Code – 488190 (Other Support Activities for Air Transportation), $30M size standard

TENTATIVE ACQUISITION SCHEDULE

- Final RFP Release: February 2014
- Proposals Received: March 2014
- Selection: January 2015
- Phase-In Award* : January 2015
- Phase-In Complete: March 2015
- Contract Start: March 2015

*Separate contract vehicle

Wallops Flight Facility (WFF)

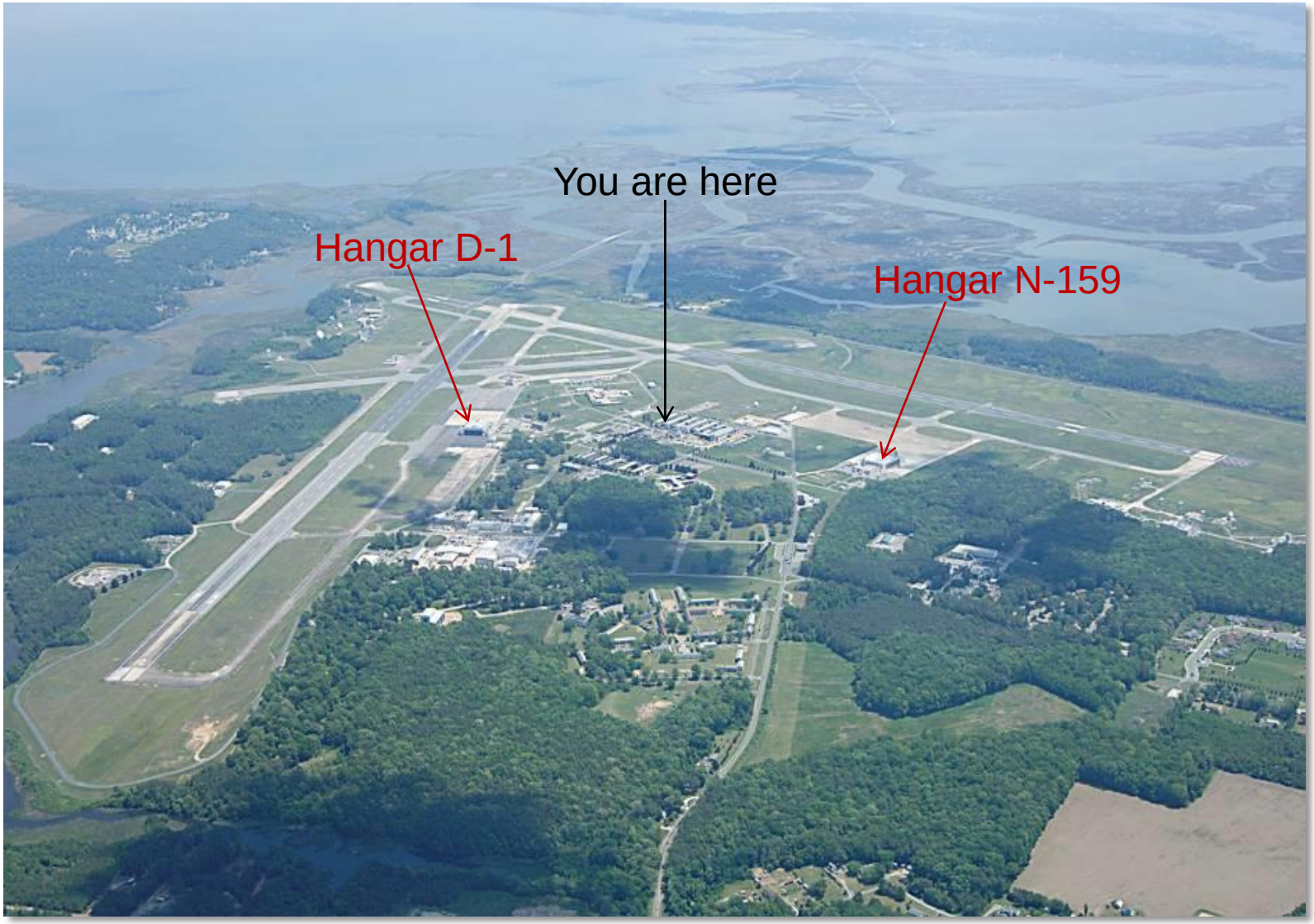
Wallops Flight Facility

Three Major Parcels 6000 Acres

- ***Wallops Main Base 1900 Acres***
  - *Administrative & Technical Offices*
  - *Tracking & Data Acquisition*
  - *Range Control Center*
  - *Ordnance Storage/Processing*
  - *R&D, Processing Facilities*
  - *Research Airport*
  - *Navy Administration/Housing*
  - *Coast Guard Housing*
- ***Wallops Island 3000 Acres***
  - *Launch Sites*
  - *Blockhouses*
  - *Radar*
  - *Processing Facilities*
  - *Dynamic Spin Balance*
  - *Navy Operational Facilities*
- ***Wallops Mainland 100 Acres***
  - *Tracking & Data Acquisition*
- ***Marshland 1000 Acres***

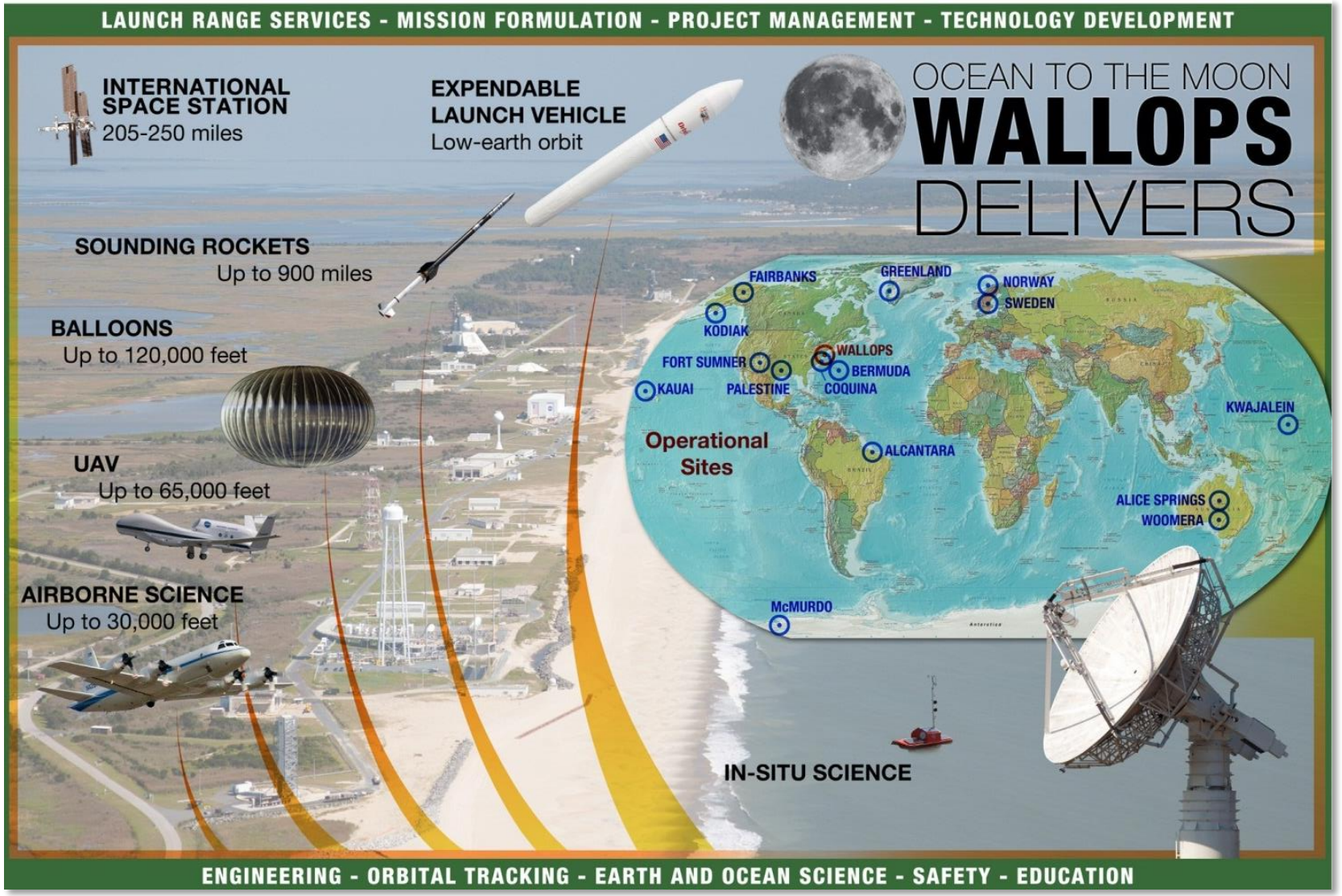
WFF Main Base

Wallops Flight Facility



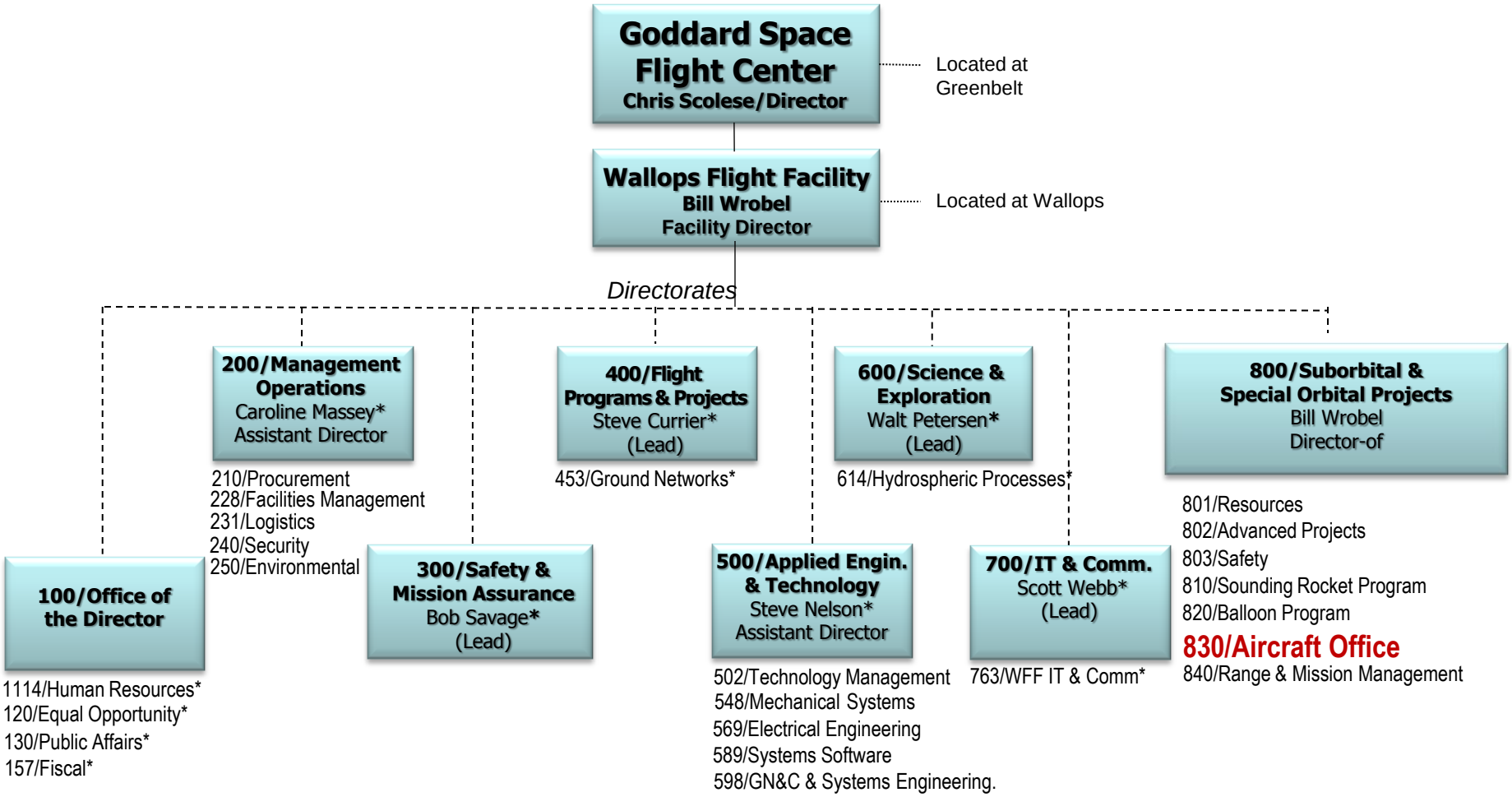
WFF Mission

Wallops Flight Facility



WFF Organization

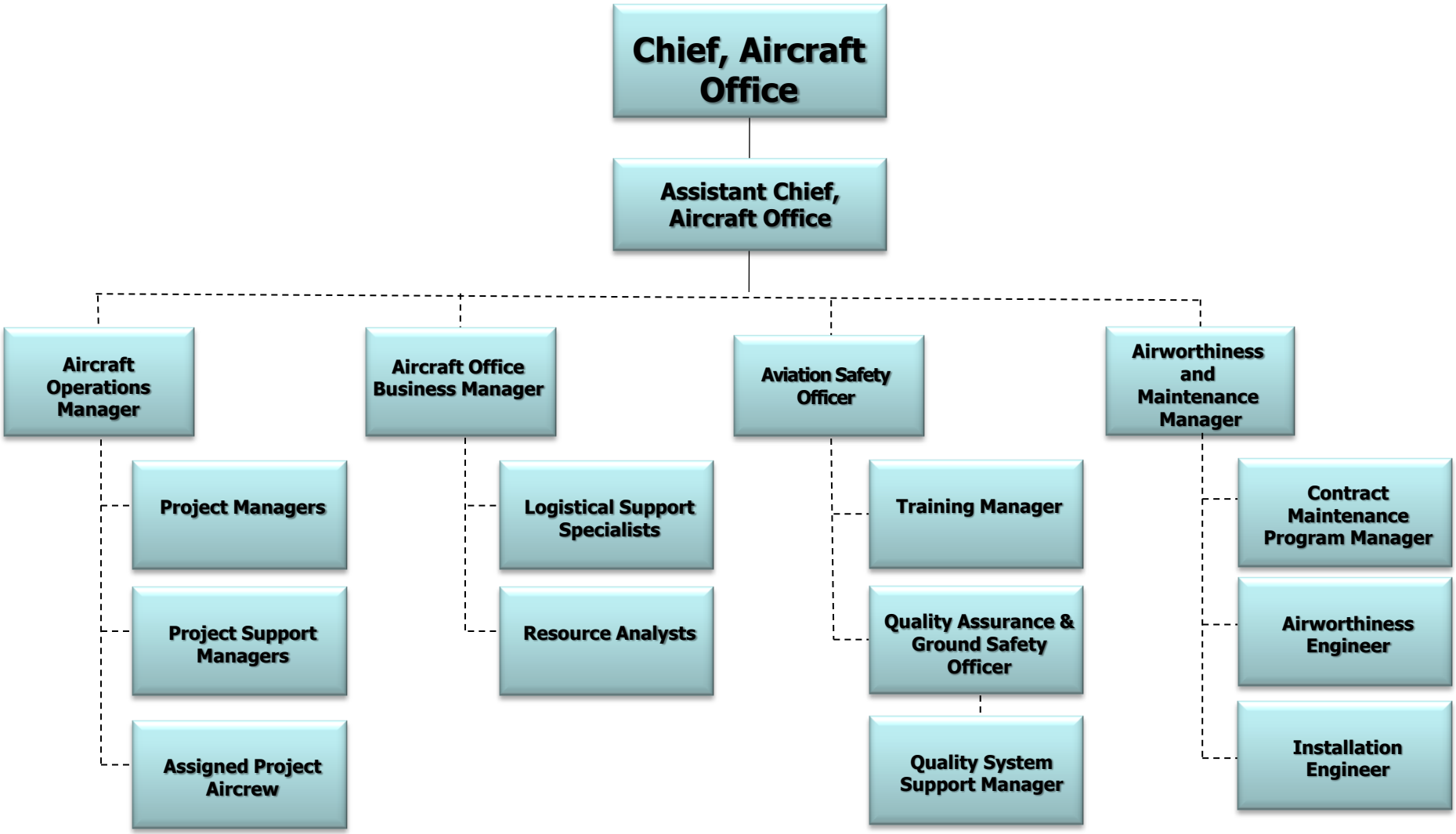
Wallops Flight Facility



* Report Directly to Offices at Greenbelt

Aircraft Office Organization

Wallops Flight Facility



Aircraft Office

Wallops Flight Facility

- **Description:** The Aircraft Office (AO) implements the NASA Airborne Science Program (ASP) at WFF and has authority over all flight activities operated or controlled by the Goddard Space Flight Center (GSFC). The AO is responsible for providing aerial systems that further science and advance the use of satellite data. The AO provides for the operation, maintenance, engineering, airworthiness, and mission support for aircraft/Unmanned Aircraft Systems (UAS) as well as planning and conducting Airborne Science missions. The AO explores new areas of aircraft/UAS support and plans for capabilities to accommodate them, develops and implements rules and procedures required to ensure the effective management of aircraft/UAS operations, and provide safety and quality assurance oversight of all aircraft/UAS functions. The AO also supports logistical airlift needs, range surveillance, recovery operations, and a wide array of other aircraft/UAS functions.
- **Mission Statement:** The mission of the AO is to provide **SAFE, RELIABLE, AND COST EFFECTIVE** manned and unmanned aircraft systems for airborne science research, technology development, and project support.

WFF Supported Aircraft/UAS

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P-3 Orion

C-130 Hercules

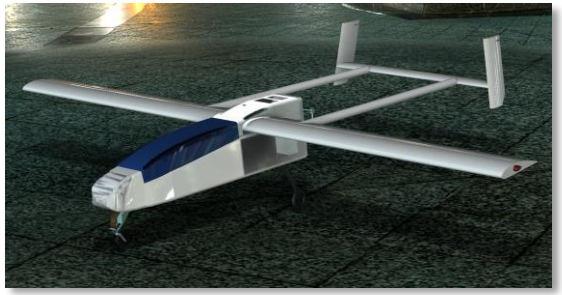
T-34 Turbo Mentor

B-200 King Air

UH-1 Huey

C-23 Sherpa

Global Hawk UAS



Rigel UAS

Airborne Science Program

Wallops Flight Facility

NASA P-3 Orion

NASA C-23 Sherpa

Research flight examples:

- Atmospheric chemistry
- Land & sea ice measurements & mapping
- Soil moisture
- Hurricane research
- Oceanographic research
- Topographic mapping
- Cloud structure and formation research
- Potential growth

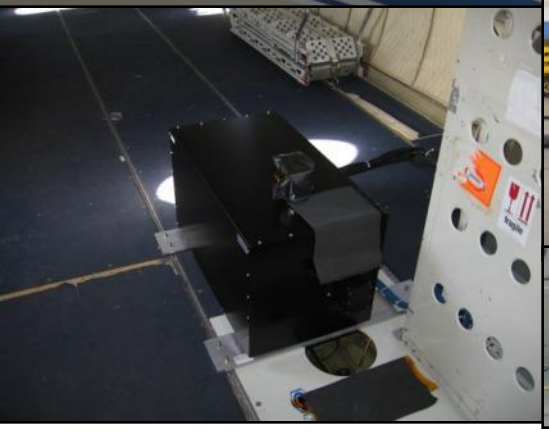
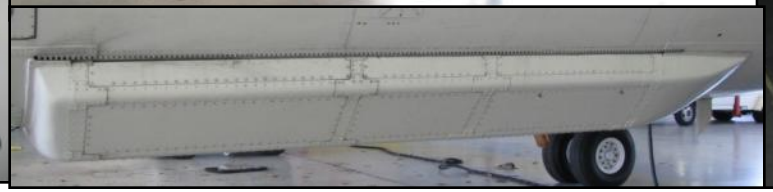
Typical Aircraft Modifications

Wallops Flight Facility



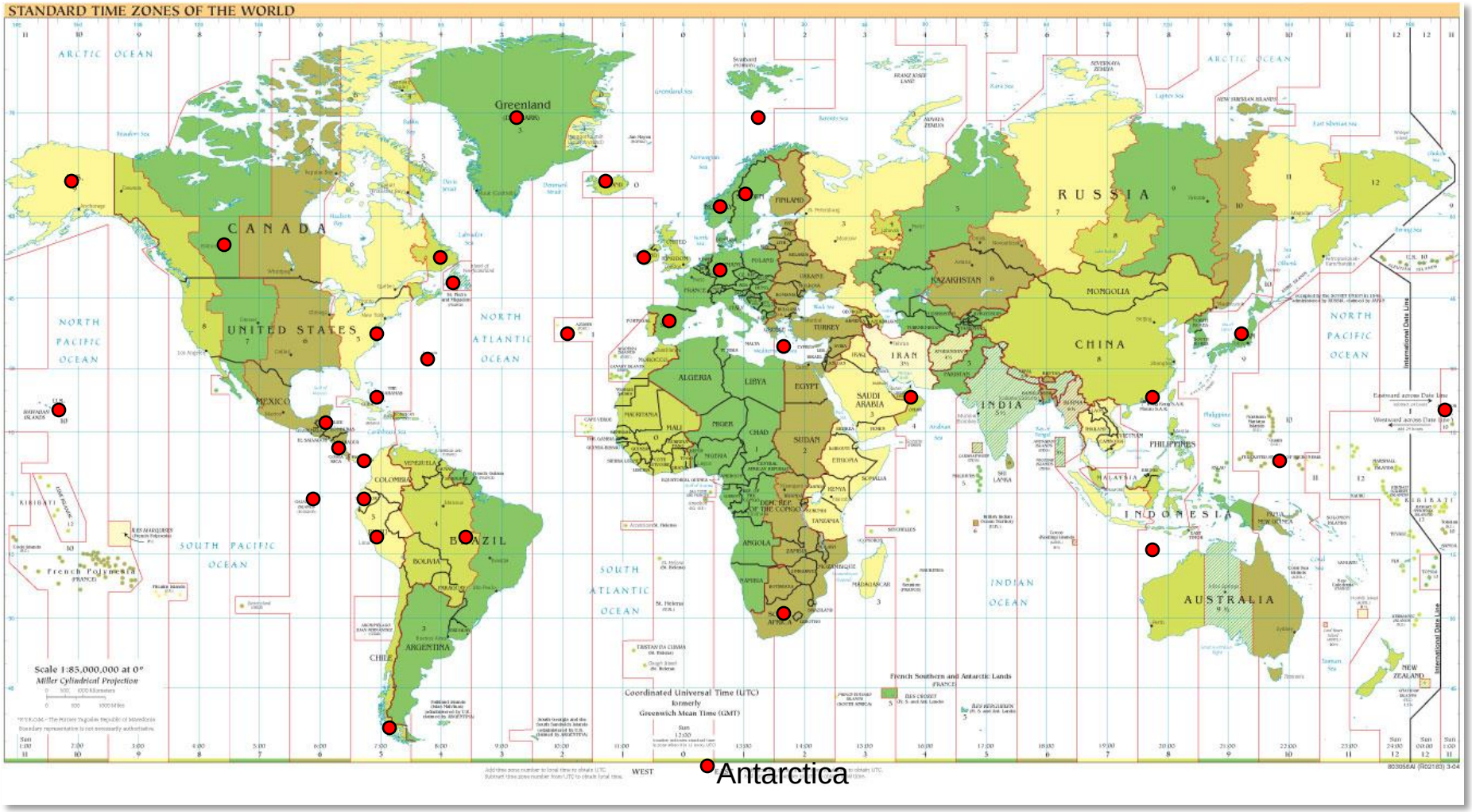





Deployments Over the Years

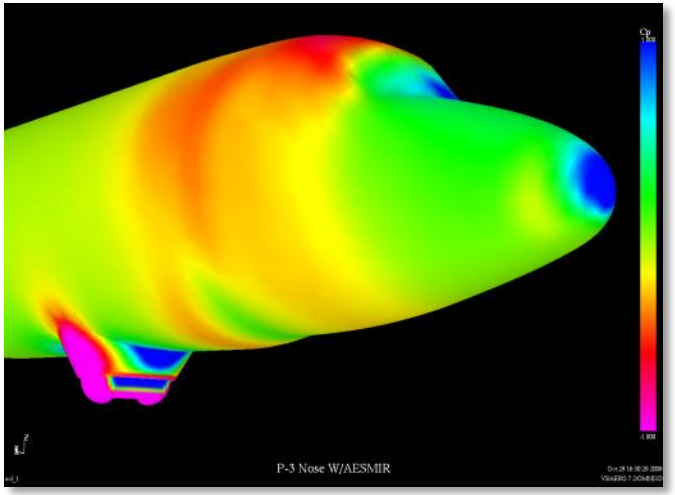
Wallops Flight Facility

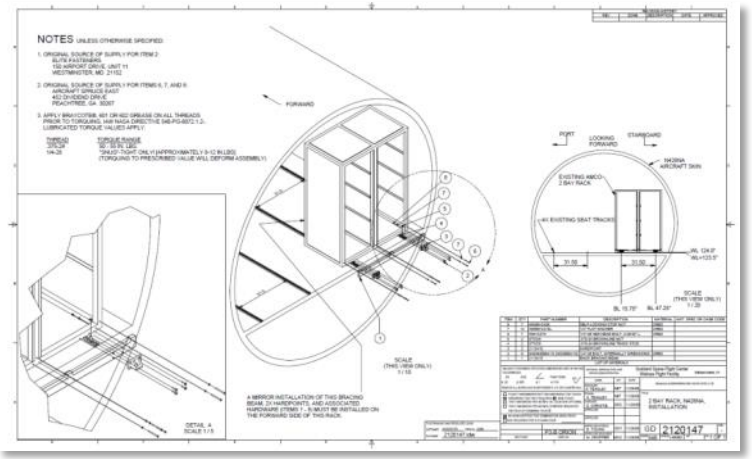


Typical Aircraft Mission Support

Wallops Flight Facility

- Mission Management
  - Logistics
  - Mission planning (cost, schedule, etc.)
  - Field support
  - Ground and flight safety support
- Engineering
  - Installation design and analysis
  - Upload and download support
- Airworthiness Oversight
- Maintenance Support
  - Standard aircraft maintenance
  - Assist with installation and removal of equipment from the aircraft





FY13 Aircraft/UAS Missions

Wallops Flight Facility

- FY13 Missions:
  - **P-3 Orion:**
    - Operation IceBridge (OIB) Arctic (Greenland & Alaska)
    - Deriving Information on Surface conditions from Column and Vertically Resolved Observations Relevant to Air Quality (DISCOVER-AQ) California & Texas (Palmdale, CA & Houston, TX)
  - **C-23 Sherpa:**
    - Carbon in Arctic Reservoirs Vulnerability Experiment (CARVE) (Fairbanks, Alaska)
    - Rocky Mountain Oil Test Center (RMOTC) (Casper, Wyoming)
  - **UH-1 Huey:**
    - Autonomous Landing Hazard Avoidance Technology **(**ALHAT) (Kennedy Space Center, Florida)
    - Range Surveillance (WFF)
  - **B-200 King Air:**
    - Sounding Rocket Photo Support (WFF)
    - Mission Management Flights (WFF to various destinations)
  - **T-34 Turbomentor:**
    - Pilot training (WFF)
    - UAS Chase (WFF)
  - **Global Hawk UAS:**
    - Hurricane and Severe Storm Sentinel (HS3) (WFF)
- Note: FY13 was the busiest year ever for the WFF Aircraft Office.
  - Total of 28 mission flight (1935 flight hours) using NASA and contract aircraft/UAS
  - Slowest year ever had 1 mission

Potential Future Missions (FY14 & Beyond)

Wallops Flight Facility

- **P-3 Orion:**
  - OIB Antarctica (FY14 and FY16)
  - OIB Arctic (FY14 – FY17)
  - DISCOVER-AQ Colorado (FY14)
  - Re-wing aircraft (FY14 & FY15)
- **C-23 Sherpa:**
  - CARVE (FY14 – FY15)
  - CARVE California (FY14)
- **C-130 Hercules:**
  - Land Vegetation and Ice Sensor (LVIS) (FY14)
  - Logistical Support Flights (FY14 & beyond)
- **UH-1 Huey:**
  - Range Surveillance (FY14 & beyond)
- **T-34 Turbomentor:**
  - UAS Chase (FY14)
- **Global Hawk UAS:**
  - HS3 (FY14)
- **Rigel UAS (under development)**